MIAMI-DADE COUNTY
DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

Seves USA, Inc.
6605 Cypresswood Drive, Suite 450
Spring, TX 77379

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).
This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.
This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Seves, Weck and Vitrablok non-impact Glass Block Systems

APPROVAL DOCUMENT: Drawing No. **1614**, titled "Seves Spa/Weck Non-Impact Glass Block System" sheets 1 and 2 of 2, dated 09/23/2008, with revision A1 dated 10/29/2010, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the following: MDCPCA and each packaging unit labeled with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved".

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.
This NOA **revises NOA # 08-1124.02** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.
The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**

MIAMI-DADE COUNTY APPROVED

01/25/2012

NOA No. 11-1122.05
Expiration Date: February 4, 2014
Approval Date: February 2, 2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **1614**, titled "Seves Spa/Weck Non-Impact Glass Block System" sheets 1 and 2 of 2, dated 09/23/2008, with revision A1 dated 10/29/2010, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

B. TESTS *"Submitted under NOA # 08-1124.02"*

1. Test report on 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94

   along with marked-up drawings and installation diagram of their Glass Block, prepared by Hurricane Test Laboratory, LLC, Test Report No. **0471-0505-07**, dated 07/23/2008, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS *"Submitted under NOA # 08-1124.02"*

1. Anchor verification calculations prepared by W. W. Schaefer Engineering & Consulting, P.A., complying with F.B.C 2007, dated 10/06/2008, signed and sealed by Warren W. Schaefer, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to 2007 and 2010 FBC, issued by W. W. Schaefer Engineering & Consulting, P.A., dated 10/03/2011, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest issued by W. W. Schaefer Engineering & Consulting, P.A., dated 10/03/2011, signed and sealed by Warren W. Schaefer, P.E.
3. State of Delaware Certificate of Incorporation of Seves USA, Inc., filed on 02/18/2009.
4. Distributor agreement dated 09/28/2011.
5. Laboratory compliance letter issued by Hurricane Test Laboratory, LLC, for Test Report No. **0471-0505-07**, dated 07/23/2008, signed and sealed by Vinu J. Abraham, P.E. ***"Submitted under NOA # 08-1124.02"***

01/25/2012

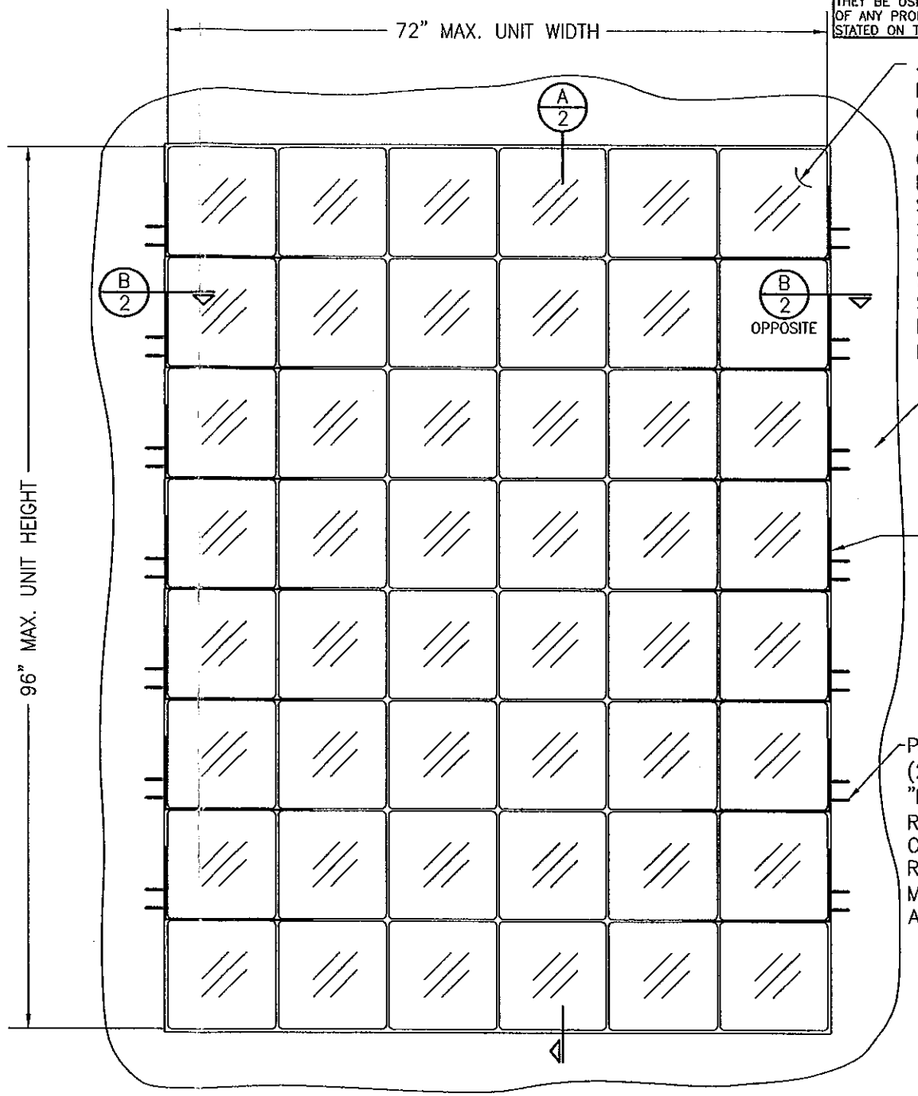
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 11-1122.05
Expiration Date: February 4, 2014
Approval Date: February 2, 2012

GENERAL NOTES:

1. THESE GLASS BLOCK SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S).
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, FORCED ENTRY & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCAL TAS-202 FOR NON-IMPACT GLASS BLOCK SYSTEMS.
5. THESE GLASS BLOCK SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. THESE GLASS BLOCK SYSTEMS ARE NON-IMPACT RATED & MUST BE SHUTTERED WITH A FLORIDA CODE APPROVED SHUTTER WHERE REQUIRED BY CODE.
7. ALL ANCHORS SECURING THE GLASS BLOCK SYSTEM TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF Kd = 0.85 MAY BE APPLIED PER THE ASCE 7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
11. THIS GLASS BLOCK SYSTEM IS NON-LOAD BEARING AND SHALL NOT BE USED TO SUPPORT CONSTRUCTION ABOVE THE OPENING.

GLASS BLOCK SYSTEM CONSTRUCTION:

MORTAR: BETWEEN ALL BLOCKS SHALL BE TYPE M OR S MORTAR PER ASTM C270. MORTAR SHALL BE PLACED FULL DEPTH OF ALL BLOCKS BOTH HORIZONTALLY & VERTICALLY. MORTAR JOINTS SHALL BE MINIMUM 1/4" TO MAXIMUM 3/8" THICK.
LADDER REINFORCING: SHALL BE PLACED IN ALL HORIZONTAL MORTAR JOINTS (12" O.C.) AND BE CONTINUOUS FROM ONE SIDE TO THE OTHER. SEE "LADDER REINFORCEMENT DETAIL" ON SHEET 2 FOR DETAIL OF REINFORCEMENT.
PANEL ANCHORS: SHALL BE PLACED AT EVERY HORIZONTAL MORTAR JOINT EACH SIDE OF THE OPENING. ANCHORS SHALL BE BENT 90 DEGREES SUCH THAT A 16" LONG LEG IS EMBEDDED IN THE MORTAR JOINT AND AN 8" LEG IS AGAINST THE SUPPORTING SUBSTRATE. SECURE THE ANCHORS TO THE SUBSTRATE PER THE ELEVATION. SEE "PANEL ANCHOR DETAIL" ON SHEET 2 FOR DETAIL OF ANCHORS.
PERIMETER EXPANSION STRIPS: MAXIMUM 3/8" THICK EXPANSION STRIPS SHALL BE PLACED IN 24" LENGTHS AT THE SIDES AND HEAD. STRIPS SHALL BUTT TOGETHER AT ENDS TO FORM A CONTINUOUS STRIP AROUND THE 3 SIDES OF THE GLASS BLOCK OPENING. SEE "EXPANSION STRIP DETAIL" ON SHEET 2 FOR DETAIL OF STRIP.
PERIMETER SEALANT: SEAL AROUND ENTIRE BLOCK SYSTEM PERIMETER WITH A HIGH GRADE FLEXIBLE SEALANT THAT IS RATED FOR PROPER ADHESION TO BOTH THE GLASS BLOCK AND THE SUPPORTING SUBSTRATE. CHOICE AND PLACEMENT OF THE PERIMETER SEALANT IS THE RESPONSIBILITY OF THE INSTALLER.



EXTERIOR ELEVATION;
GLASS BLOCK STSTEM
SCALE: 3/4" = 1'-0"

PANEL ANCHOR REQUIREMENTS TABLE			
OPENING TYPE (SUBSTRATE)	CLIP TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	(1) 1/4" CONCRETE SCREW	1 1/4"	3/4"
MIN. 16 GA. 54 KSI METAL STUD	NO. 1/4-14 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 1/4-14 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 1/4-14 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
C-90 CMU/2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2 1/2"

(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ELCO CRETE-FLEX, ITW RAMSET/RED HEAD TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).

ALLOWABLE BLOCK SIZE TABLE
11.75" X 11.75" (NOMINAL 12X12) 7.75" X 7.75" (NOMINAL 8X8) 5.75" X 5.75" (NOMINAL 6X6) 5.75" X 7.75" (NOMINAL 6X8) 3.75" X 7.75" (NOMINAL 4X8)
* ALL SIZES STATED HAVE A BLOCK DEPTH OF 3 7/8". * ALL GLASS USED WITH THE BLOCKS IS ANNEALED.

ALLOWABLE DESIGN PRESSURE
+/-70 PSF

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 11-1122.05
Expiration Date 02/04/2014
By _____
Miami Dade Product Control

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

DRAWN BY: W.R.M. | CHECKED BY: W.W.S.
PLOT: 1=16 | DATE: 09/23/08

NO.	REVISION DESCRIPTION	BY	DATE
A1	MANUFACTURER NAME CHANGE & UPDATE TO CURRENT STANDARDS	W.W.S.	10/29/10

DRAWING TITLE: SEVES SPA/WECK NON-IMPACT GLASS BLOCK SYSTEM

MANUFACTURER: SEVES USA, INC. 6605 CYPRESSWOOD DR.; SUITE 450 SPRING, TX 77379 281-257-8222

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424

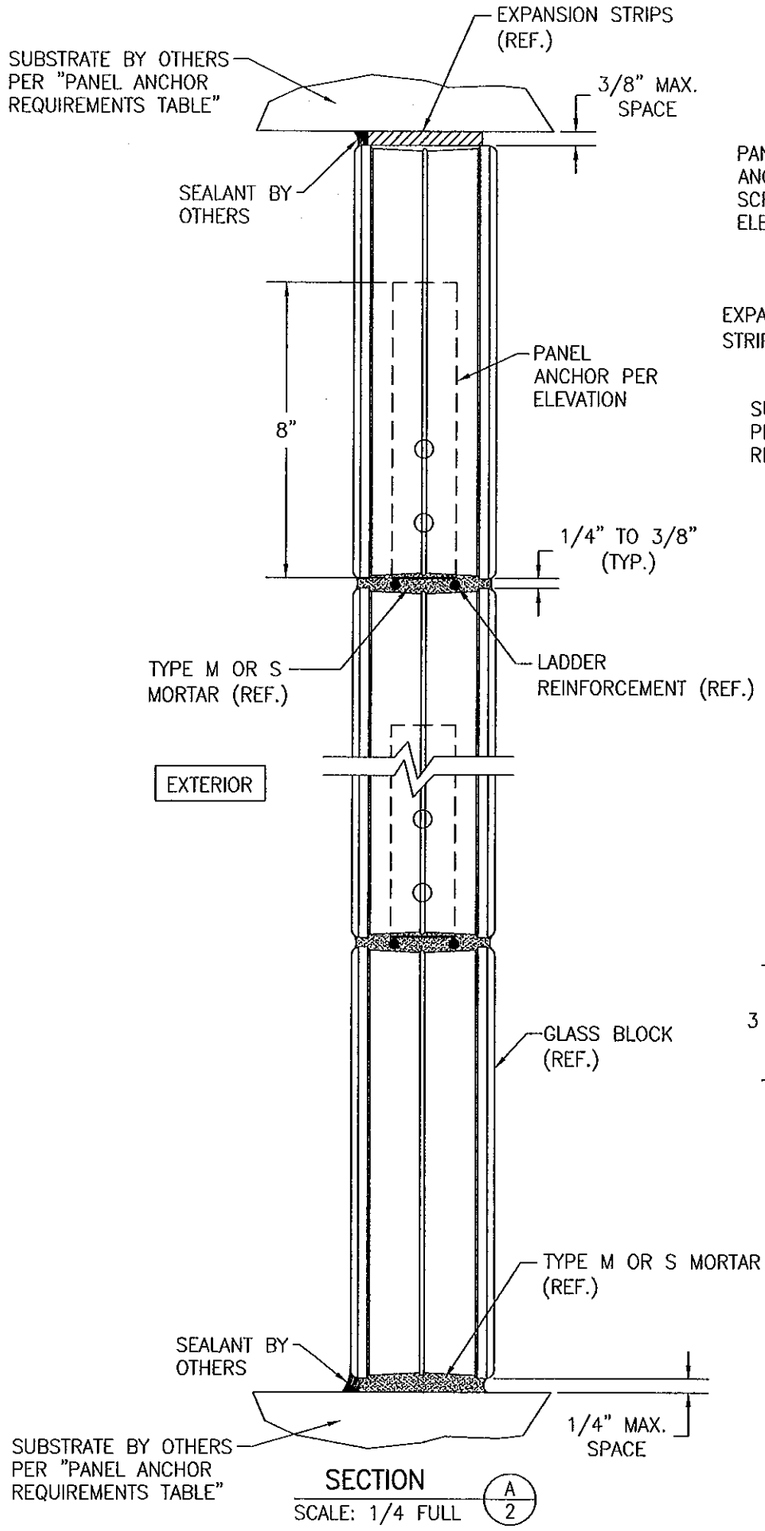
CERTIFICATION

LICENSE WARREN W. SCHAEFER No. 44135 STATE OF FLORIDA PROFESSIONAL ENGINEER

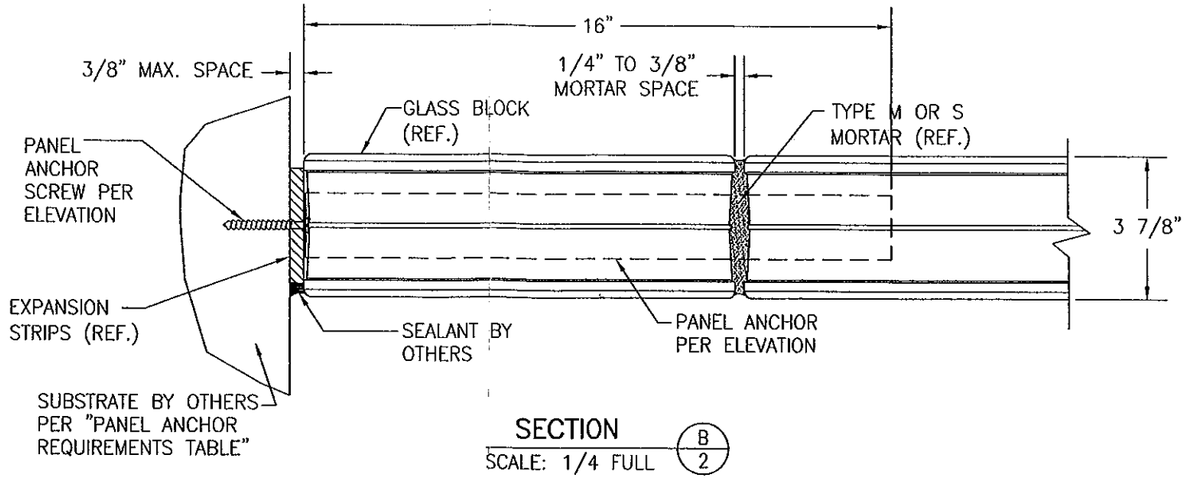
OCT 03 2011

WARREN W. SCHAEFER P.E. NO. 44135

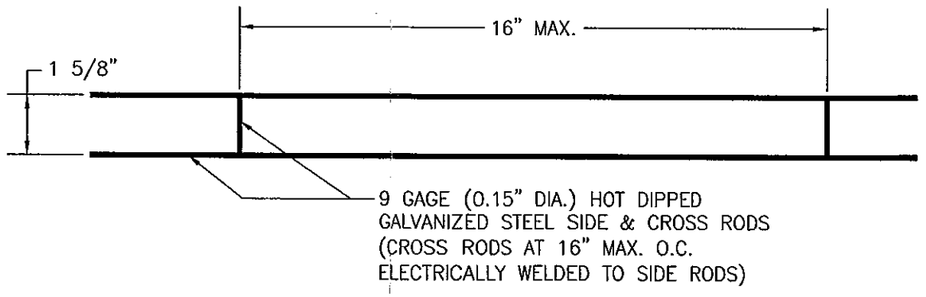
DRAWING NO. 1614 | REV. A
SHEET NO. 1 OF 2



SECTION B/2
SCALE: 1/4 FULL



SECTION B/2
SCALE: 1/4 FULL



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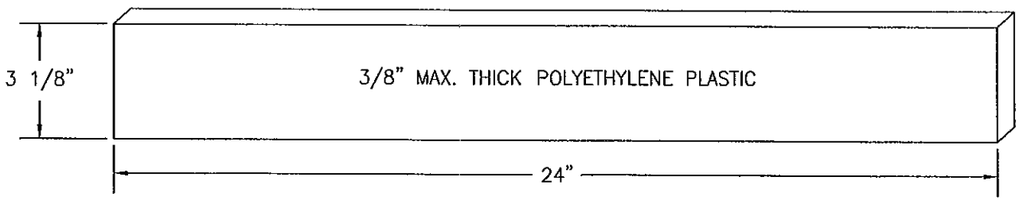
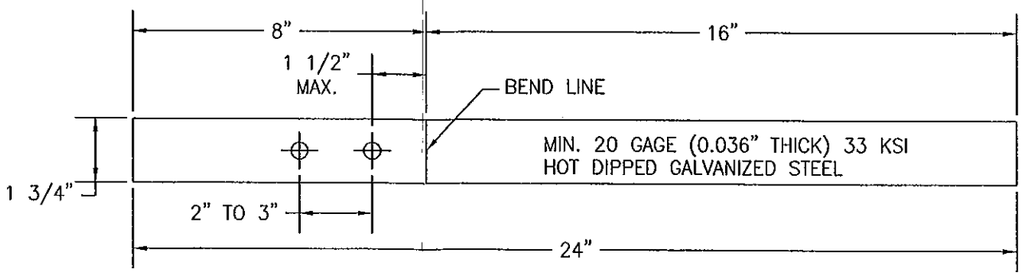


EXPANSION STRIP DETAIL



PANEL ANCHOR DETAIL

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 11-11.22.05
Expiration Date 02/04/2014
By
Miami-Dade Product Control

WARREN W. SCHAEFER LICENSE No. 44135 STATE OF FLORIDA PROFESSIONAL ENGINEER

CERTIFICATION
OCT 03 2011
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

NO.	REVISION DESCRIPTION	BY	DATE

DRAWN BY: W.R.M. | CHECKED BY: W.W.S.
PLOT: 1=4 | DATE: 09/23/08

DRAWING TITLE
SEVES SPA/WECK NON-IMPACT GLASS BLOCK SYSTEM

CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH, PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

MANUFACTURER
SEVES USA, INC.
6605 CYPRESSWOOD DR.; SUITE 450
SPRING, TX 77379
281-257-8222

DRAWING NO. 1614 | REV. A
SHEET NO. 2 OF 2